



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/785,168
Source: JFWB
Date Processed by STIC: 7/19/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND

TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/785,168

DATE: 07/19/2004
TIME: 11:52:15

Input Set : A:\seqlist.txt
Output Set: N:\CRF4\07152004\J785168.raw

```

4 <110> APPLICANT: Joseph R. Testa
5     Yasuhiro Mitsuuchi
6     Poulikos Poulikakos
8 <120> TITLE OF INVENTION: MODULATION OF APPL EXPRESSION
11 <130> FILE REFERENCE: 0149 FCCC 99-04
13 <140> CURRENT APPLICATION NUMBER: 10/785,168
14 <141> CURRENT FILING DATE: 2004-02-23
16 <150> PRIOR APPLICATION NUMBER: PCT/US02/27018
17 <151> PRIOR FILING DATE: 2002-08-23
19 <150> PRIOR APPLICATION NUMBER: 60/314,530
20 <151> PRIOR FILING DATE: 2001-08-23
22 <160> NUMBER OF SEQ ID NOS: 8
24 <170> SOFTWARE: FastSEQ for Windows Version 3.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 18
28 <212> TYPE: DNA
29 <213> ORGANISM: Artificial Sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: oligonucleotide
34 <400> SEQUENCE: 1
35 tccccggcat cgtggcgg
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 16
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: oligonucleotide
45 <400> SEQUENCE: 2
46 gactttgtct gcgggc
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 21
50 <212> TYPE: DNA
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: oligonucleotide
56 <400> SEQUENCE: 3
57 gtgtgttgct gcacttaatt c
59 <210> SEQ ID NO: 4
60 <211> LENGTH: 32
61 <212> TYPE: DNA
62 <213> ORGANISM: Artificial Sequence
64 <220> FEATURE:
65 <223> OTHER INFORMATION: oligonucleotide

```

Does Not Comply
Corrected Diskette Needed
(P3, 2)

18

16

21

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67 <400> SEQUENCE: 4
68 gggcagctt tcgatccccg gcatcgtggc gg 32
70 <210> SEQ ID NO: 5
71 <211> LENGTH: 18
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: oligonucleotide
78 <400> SEQUENCE: 5
79 tggccggcta cgtgcgcg 18
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 21
83 <212> TYPE: RNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: siRNA
W--> 89 <221> NAME/KEY: misc_feature
90 <222> LOCATION: (20)...(21)
91 <223> OTHER INFORMATION: n is thymidine
W--> 93 <400> 6
W--> 94 gaugccacag cuauuuccan n
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 21
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: siRNA
104 <400> SEQUENCE: 7
105 cagtcgcgtt tgcgactgg t 21
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 93
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: siRNA
115 <400> SEQUENCE: 8
116 aaaaaagtcc actggaagca gctaccaacc aacctcaagc ttcaagtcgg ttgatagctg 60
117 cttccagtag acggtgttcc gtccttcca caa 93

please use "U"
instead of "T" to represent
"N" in a RNA sequence

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

use of n and/or Xaa have been detected in the Sequence Listing. Please review the
sequence Listing to ensure that a corresponding explanation is presented in the <220>
& <223> fields of each sequence which presents at least one n or Xaa.

eq#:6; N Pos. 20,21 ✓

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/785,168

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Input Set : A:\seqlist.txt

Output Set: N:\CRF4\07152004\J785168.raw

L:89 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:93 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0